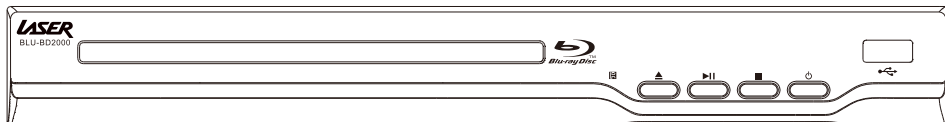# LASER

BLU-BD2000

OPERATION MANUAL

BLU-RAY DVD PLAYER

Read This Manual Carefully before Operation
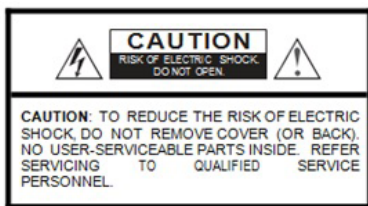
INEDX

IMPORTANT SAFETY INSTRUCTIONS AND PRECAUTIONS

•Please read the instructions carefully before using this product
•Observe all warnings and cautions when using this product.
•Retain all manuals and documentation for future referral.
•Only use this product in the manner described in this manual.
•Do not use this device in extremely hot, cold, humid, dusty or sandy environments.
•Do not use this device in electrical storms or other conditions if the likely hood of lightning is possible.
•Do not attempt to clean this product using liquid cleaners or aerosol cleaners. Use only a damp soft cloth to clean the surface of this device.
•This device may become hot during use. Do not cover vent holes and place in a well ventilated area.
•This device is not waterproof. Do not use this device in the open if there is a high level of moisture in the air.
•Only place the device on a stable surface and ensure that cables attached to the device can not cause the device to fall.
•There are no serviceable parts in this device. Attempts to open this device by unauthorised personnel may cause further damage and void the warranty.
•Images of the product and accessories are indicative only and may vary slightly from actual the product.
•We reserve the right to make changes to this document and the product without notification.

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instruction in the literature accompanying the appliance

CLASS I LASER PRODUCT
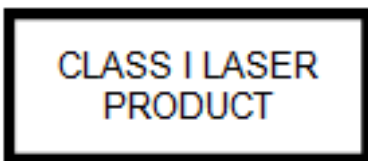
THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF.
REFER SERVICING TO QUALIFIED PERSONNEL.

TRADEMARKS

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MEDIA COMPATIBILITY

Since the Blu-ray Disc specifications are new and evolving, some discs may not play properly depending on the disc type, version and encoding. It is possible that a Blu-ray disc manufactured after the player was manufactured uses certain new features of the Blu-ray Disc specifications. To ensure the best possible viewing experience, the player may need a firmware or software update from time to time.

<u>Blu-ray</u>

Media Type	Compatibility	Limitations
Blu-Ray Disk	BD-ROM (SL/DL)	Supports high bit rate audio (Dolby Digital Plus, Dolby TrueHD, DTS-HD High Resolution Audio and DTS-HD Master Audio) adopted in BD-Video.

<u>DVD</u>

MediaType	Compatibility	Limitations
DVD	DVD-ROM, DVD+R (SL/DL), DVD-R (SL/DL), DVD-RW (SL/DL).	DVD Video or files compatible with the BLU-BD2000 only. Recordable DVD media must be finalised by a recorder before playback on the BLU-BD2000.

<u>CD</u>

MediaType	Compatibility	Limitations
CD	CD-Audio, CD-R. CD-RW	Recordable CD media must be finalised by a recorder before playback on the BLU-BD2000.

<u>USB</u>

MediaType	Compatibility	Limitations
USB	Flash Drives	Formatted in FAT or FAT32 only up to 16GB

USB hard drives connect to the BLU-DB1000 should be powered by another source as well as the USB port. A secondary power source may be required for some Notebook style USB hard drives.

INCOMPATIBLE MEDIA

The following media may not be playable or produce erratic or substandard playback.

•DVD-RAM	•WMA discs	•HD DVD
•Super Audio CD	•DivX discs	•Data files on CD-Extra discs
•Photo CD	•BDs With cartridge	•CD Audio with DRM
•DVD- Audio	•DVDs with cartridge	•Non-finalised media

•BD-Video discs recorded at a rate of 50 fields (frames) per second.

NOTE: It may not be possible to play the above media in some cases due to the type of media, the condition of the recording, the recording method and how the files were created.

The producers of the disc can control how discs are played, so you may not always be able to control play as described in this Owner's Manual. Read the disc's instructions carefully.
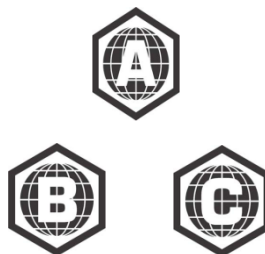
REGION INFORMATION

<u>Blu-ray</u>
This player is designed and manufactured to respond to the region management information.
If the region number of a BD-Video or DVD disc does not correspond to the current region number of this player, the player cannot play the disc.
The BLU-BD2000 is preset to play discs meant for region B

WHATS IN THE BOX

•BLU-BD1000 Blu-ray disc player
•Remote control
•2 x AAA Batteries
•Composite (RCA) Video/Audio cable
•User Manual (This Document)

Region Code   Region Country

North America, Central America, South America, Korea, Japan, Taiwan, Hong Kong, South East Asia

Europe, Greenland, French territories, Middle East, Africa, Australia, and New Zealand

India, China, Russia, Central Asia, and South Asia

INCOMPATIBLE MEDIA

DVD

This player is designed to play DVDs from all regions.

*Note: Please refer to the **GETTING THE BEST FROM THE PLAYER** section later in this manual for information on changing BD & DVD Region Codes.*

PLAYER & DISC CARE

Cleaning the BLU-BD2000 Player

Always turn the player off and unplug the power cord before cleaning.

Never use alcohol, paint thinner or benzene to clean this unit.

Before using chemically treated cloth, carefully read the instructions that came with the cloth.

Please use a damp soft cloth. Wring out any excess liquid and gently wipe the external case of the player.

Let the player dry before using again.

Lens Cleaning

Use a commercially available CD/DVD/BD lens cleaner (not supplied) to periodically clean the lens in this player. Please read the instructions supplied with the lens cleaner carefully before use.

Handling Discs

•Handle discs by the edges to avoid inadvertent scratches or fingerprints on the disc.
•Do not attach labels or stickers to discs.
•Do not use record cleaning sprays, benzene, thinner, static electricity prevention liquids or any other solvent.
•Do not use the following discs
•Discs with exposed adhesive from removed stickers or
•Labels (rented discs etc) that are lifting or torn.
•Discs that are warped or cracked.
•Irregularly shaped discs, such as heart shapes.

Cleaning Discs

DO	**Don't**

Wipe discs with a soft damp cloth and allow to dry before placing disc in the players tray.

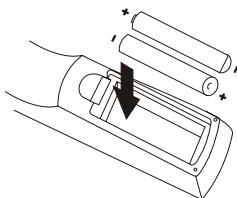Never use alcohol, paint thinner or benzene to clean discs.

Installing the battery

1. Open the battery cover.

Using remote control
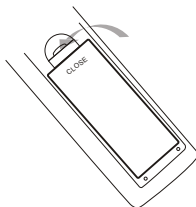Aim the remote control at the receiver on the panel and then operate.
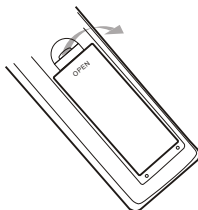
2. Insert the battery (R03, AAA).

Align the +/- polarity of the battery to the sign in the slot.

3. Put on the battery cover.
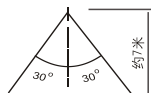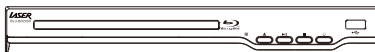
About 7m

Parts and operation guide

Front panel
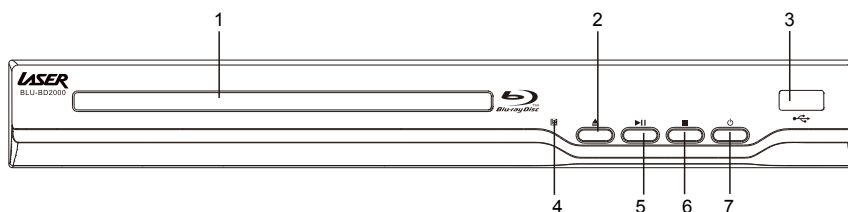
1.Disc tray
2.Eject/Insert
3.USB interface
  Connect USB device to this interface.
4.Remote receiver

5.Play/Pause
6.Stop
7.ON/Standby
  Turn on the player or set to standby mode.

Rear panel
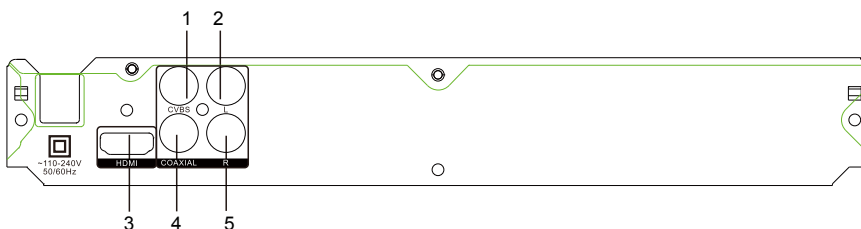
1.Composite video output
2.Audio output (L)
3.HDMI output
4.Digital audio output (coaxial)
5.Audio output (R)

Remote control
While playing, press the following buttons to operate.
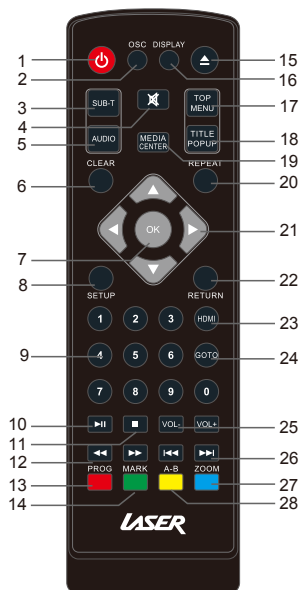
1. Power: turn on/off the player.
2. Screen control: access more options while playing.
3. Subtitle: select subtitle language.
4. Mute: mute or cancel mute.
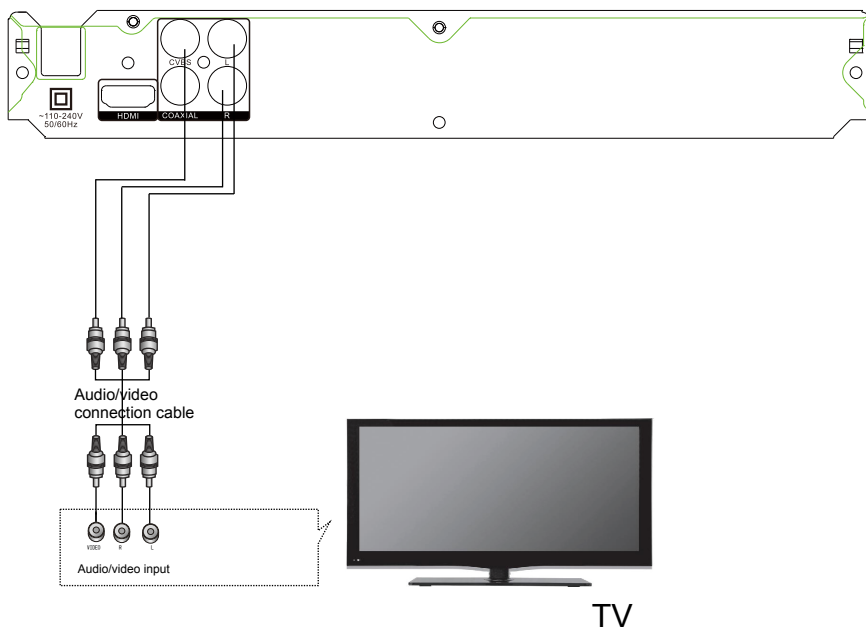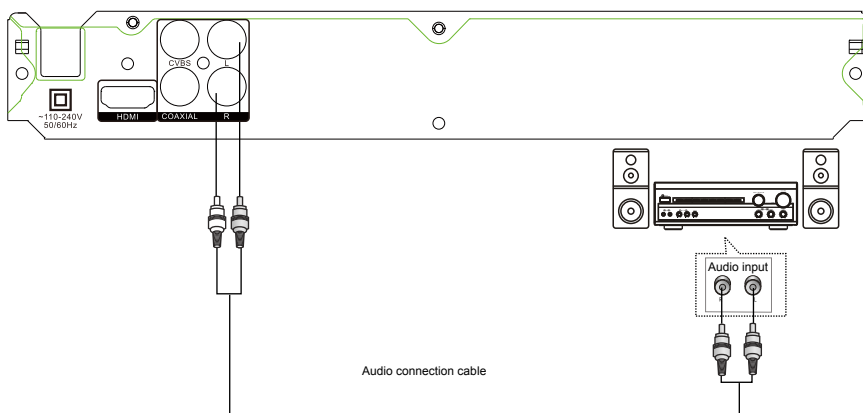**5. Language:** select audio language or channel.
6. Clear: clear error.
7. OK: confirm.
8. Setup: display setup menu.
9. 0~9: select and enter numbers.
10. Play/Pause: press once to pause, and press it again to resume normal playing.
11. Stop: stop playing.
12. Fast rewind: fast rewind by 1×, 2×, 3×, 4×, 5×
    Fast forward: fast forward by 1×, 2×, 3×, 4×, 5×
13. Program/red button: program playing desired tracks.
14. Bookmark/green button: mark the disc being played; press it to set bookmark, or press and hold it to pop up the bookmark list.
15. Eject/Insert: eject/insert the disc tray.
16. OSD: display the information while playing.
17. Menu: access the main menu of the video disc.
18. Popup menu: enter or exit disc menu.
19. Media center: access media center.
20. Repeat: repeat playing title, chapter, track or disc.
21. Direction: direction keys.
22. Return: return to previous menu.
23. A-B: while playing, press it once to select the starting point, press it again to select the ending point and repeat playing the selected segment.
24. Search: select the search time, chapter, etc. Method: press the Search button to enter the interface, press the Left/Right key to select time or chapter and press OK to enter desired node; press the Up/Down key to enter numbers directly and press OK to confirm and go to search node.
25. VOL+: turn up the volume.
    VOL-: turn down the volume.
26. Prev.: go to previous chapter/track, or chapter start of DVD
    Next: go to next chapter/track.
27. Zoom/Blue button: has the function of blue button.
                zooming image.
28. A-B/yellow button: has the function of yellow button.
                press it once to select the starting point, press it again to select the ending point and repeat playing the selected segment.

![Device Connection Description icon]

Device Connection Description

Video and composite ouput

Audio/video
connection cable

Audio/video input

TV

Connecting two-channel analog input amplifier

Audio input

Audio connection cable

Coaxial connection

Coaxial cable

Coaxial

HDMI connection

HDMI OUT

HDMI IN

HDMI connection

TV

Specific setting method and description

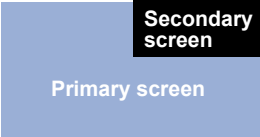| Menu	Submenu	Item	Setting and description
General	**System**	**Screen saver** (prevent screen aging)	**ON** Enable screen saver. If there is no operation in five minutes while playing, the screen saver will be activated automatically, and enters standby mode if there is no operation in ten minutes. **OFF** Disable this function
		Disc Auto playback	**ON** Enable auto-play. When a disc is inserted, the player will read and play automatically. **OFF**
		CEC	**ON** When this function is enabled, the player is in standby, and the device connected through HDMI is also in standby. **OFF** This function is disabled.
		Disc auto-upgrade	**ON** Enable: upgrade automatically after disc is inserted. **OFF** This function is disabled
		Load Default (restore default settings)	Select this option and press [Enter], and the following dialog box appears: Press ◄ or ► to select [Enter], and press it to restore all the settings to default, or select [Cancel] to exit the dialog box.
		Upgrade (software update)	**Disc** The upgrade program is saved in the disc. When the auto-upgrade function is set to "**OFF**", you need to select the upgrade option manually after inserting the disc. **USB** The upgrade program is saved in USB disk.

Specific setting method and description

Menu	Submenu	Item	Setting and description
General	**System**	**Upgrade** (software update)	**Network** Connect the network cable to the NIC interface and make sure that the network connection is normal.
		Easy setup (initial setup)	Select this function and press [OK], to show "Easy Setup Wizard" on the screen. Please follow the prompt to operate.
		BUDA (for BD-J disc playing)	**BUDA info (release the storage space of BUDA info)** When playing BD-J or BD-LIVE disc, if the storage space is insufficient, please select [Format] and press [OK] to clear the BUDA info in the USB disk to release the space and the USB disk can be used to save BD-J data. **BUDA setup (setting the storage media of BUDA info)** USB: USB disk is used as storage media, and USB disk is required (please note that HDD can't be used as the storage media of BUDA info: the USB disk for BUDA info must be in FAT 32 format)
	Language	**OSD** (set OSD language)	English, Chinese
		Menu (set menu language)	English, French, Chinese, Spanish……more
		Audio (set audio language)	
		Subtitle (set subtitle language)	**English, French, Chinese, Spanish……more, OFF** If the desired language isn't in the list, select "More" to get more options. Select "OFF" if subtitle isn't required.
	Play back	**Closed Caption**	**ON** When this function is enabled, closed caption is off automatically. **OFF**
		PIP Mark	**ON** Enable PIP function.

Specific setting method and description
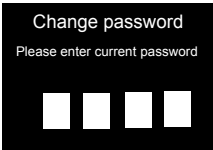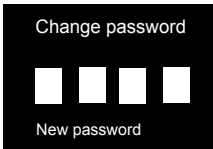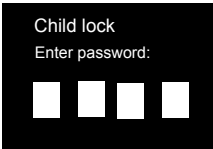
Menu	Submenu	Item	Setting and description
General	**Play back**	**PIP Mark**	The PIP function of certain BD discs allows the player plays primary screen and secondary screen simultaneously. Generally, the primary video is displayed in full screen, and the secondary video is displayed in window. When the PIP is enabled, the player will recognize whether the disc contains secondary video and notifying the user by showing this sign. **Secondary screen** **Primary screen** **OFF** Disable this function.
		Secondary audio mark	**ON** Enable secondary audio. The secondary audio function of certain BD discs allows playing the primary and secondary audio simultaneously. When the sign of secondary audio is enabled, the player will automatically check whether the disc contains secondary audio and notify the user by showing this sign. **OFF** Disable this function.
		Last Memory	Select this function to memorize the playing of disc. (The realizing of this function depends on disc. Certain discs may be incompatible.) **ON** Enable memory playing. When this function is enabled, the player can memorize the playing progress of six discs. When the discs are inserted next time, a dialog box will pop up and ask you whether press [Return] to play from the start of the disc, or press [OK] to resume playing from the point stopped last time, and the memorized points will be cleared automatically after power off. **OFF** Disable this function.
		PBC	Open/Close PBC playback

Specific setting method and description

Menu	Submenu	Item	Setting and description
General	**Security**	**Change password**	Select this function and press [**OK**] and the screen shows the dialog box below: Change password Please enter current password Press [0]-[9] to enter current password, and the following dialog box appears if the password is valid: Change password New password Press [0]-[9] to enter a new password (twice) and then exit above dialog box automatically. The initial password is 0000.
		Parental Control (allow selecting playing content according to disc rating and filtering the content improper for children)	Select this function and press [OK], the screen shows the dialog box below and asks you to enter the password. Refer to previous page for password setting. Child lock Enter password: Press [0]-[9] to enter current password, and the following dialog box appears if the password is valid: Child lock Select rating: OFF Children safe G Use [▲]/[►] to select the rating (see the Table below for description), and press [**OK**] to exit the dialog box.

Specific setting method and description

Menu	Submenu	Item	Setting and description
General	**Security**	**Parental Control** (allow selecting playing content according to disc rating and filtering the content improper for children)	**Motion Picture Association of America Film Rating** <table><tr><td>Rating</td><td>Description</td></tr><tr><td>Children safe</td><td>Suitable for children</td></tr><tr><td>G</td><td>Suitable for all ages</td></tr><tr><td>PG</td><td>Watch under parent guide</td></tr><tr><td>PG-13</td><td>Children younger than 13 watch under parente guid</td></tr><tr><td>PGR</td><td>Parent guide is required</td></tr><tr><td>R</td><td>Watch under parent guide if younger than 17</td></tr><tr><td>NC-17</td><td>Prohibit watching if younger than 17</td></tr><tr><td>Adult</td><td>For adults only</td></tr></table>
		Country Code (select country code, and make sure that the user only can watch the content allowed in local region)	Select this function and press [OK], the screen shows the dialog box below and asks you to enter the password 0000, the setting of which is described in previous page. Country & region Enter the password ☐ ☐ ☐ ☐ Press [0]-[9] to enter current password, and the following dialog box appears if the password is valid: Country & region Select country: UK. ● U.S. U.S. Minor Outlying Islands Use [▲]/[►] to select the country, and press [OK] to exit the dialog box.
		BD Region Code	A B C
Display	**TV**	**TV Screen** (set the aspect ratio matching the connected TV set)	When connected to 16:9 TV, select: **16:9 full screen** In this mode, if the aspect ratio of the disc is 4:3, the output signal of the player will be stretched to 16:9 full screen. **16:9 normal** In this mode, if the aspect ratio of the disc is 4:3,

Specific setting method and description
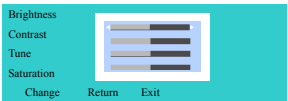
Menu	Submenu	Item	Setting and description
Display	**TV**	**TV Screen** (set the aspect ratio matching the connected TV set)	the horizontal direction of the output signal will remain unchanged, and the vertical direction will be compressed to 9/16 of the horizontal width. When connected to 4:3 TV, select: **4:3 panoramic** The left side and right side of 16:9 image will be cut to fit the 4:3 screen, the image quality remains unchanged, but the left and right edges are cut off. **4:3 letterbox** The top and bottom of 16:9 image are black to fit the 4:3 screen, but the image quality reduces because the scanning lines are reduced.
		Resolution (set the video output resolution)	Set the resolution of display device. Number 480 and 720 indicate the resolution lines of video output, I (interlaced) or P (progressive) indicate the scanning mode of video output. **Auto** The player checks and selects optimized resolution automatically. 480P/576P 480i/576i 720P 1080I 1080P Resolution setting — The resolution has been changed. Save? Restore 12 S OK Cancel After the resolution is adjusted, above dialog box pops up; if you are satisfied with the adjusted resolution, select [OK], or else select [Cancel]; if you don't select in 12s, the player resumes original setting. According to the selected video output terminal, the appropriate resolution is also different; please set according to video output instructions.
		TV system	Set the system of output TV signal **NTSC** **PAL** **AUTO**

Specific setting method and description

Menu	Submenu	Item	Setting and description
Display	**TV**	**Color space**	Set color space **RGB** **YcbCr** **YcbCr422** **Full RGB**
		HDMI Deep color	Set HDMI color depth to 30-bit, 36-bit, 48-bit or OFF. **30-bit** **36-bit** **48-bit** **OFF**
		HDMI 1080P 24HZ	Enable/disable the output of HDMI 1080P 24HZ. **ON** **OFF**
	Video processing	**Video adjust**	Press ◄ ►▲▼ to adjust the brightness, contrast, tune and saturation of output image. Brightness Contrast Tune Saturation Change Return Exit
		Sharpness	High middle Low
	Motion video process	Video mode	• Standard • vivid • smooth
Audio	**Audio output**	**Spdif** (select the digital audio signal format from the digital audio output terminal)	**Bit stream:** When "Bit stream" is selected, the digital audio signal will output in the format of original stream. Select when connected device can decode. **PCM:** Select "PCM" when the connected device can't decode. When this option is selected, output pulse code modulation (PCM) digital signal.

Specific setting method and description

Menu	Submenu	Item	Setting and description
Audio	**Audio output**	**Spdif** (select the digital audio signal format from the digital audio output terminal)	**Re-encode:** Output re-encoded digital signal. **OFF:** Turn off the signal output of digital audio output terminal of the player.
		HDMI (select the digital audio signal format from HDMI terminal)	**Bit stream** **PCM** **Re-encode** **OFF** Same as above
		Down-sampling frequency (select the down-sampling frequency of digital audio signal PCM code)	**48K** If the input audio is higher than 48KHZ, the original audio will be down-sampled to 48KHZ or lower. If the audio device supports audio input higher than 48KHZ, this option isn't recommended. **96K** If the input audio is higher than 96KHZ, the original audio will be down-sampled to 96KHZ or lower. If the audio device supports audio input higher than 96KHZ, this option isn't recommended. **192K** If the input audio is higher than 192KHZ, the original audio will be down-sampled to 192KHZ or lower. If the audio device supports audio input higher than 192KHZ, this option isn't recommended.
		DRC (set the dynamic compression to ON/OFF	**ON** (enable dynamic output compression **OFF** (disable dynamic output compression) **Auto** Dynamic range is the difference between the minimum audio strength higher than device noise and the maximum audio strength before distortion. Enable dynamic compression for viewing in the night.
	SACD output	**SACD Priority**	Multi-channel 2-channel

Specific setting method and description

Menu	Submenu	Item	Setting and description
Audio	**Speaker settings**	**Configuration** (select according to connected speaker and power amplifier)	**2X (configuration when two channels are connected)** First step: select the audio channel mode L/R: select this option if your power amplifier is compatible with Dolby Pro Logic; Stereo: select this option if the player is connected to stereo power amplifier. Second step: select the quantity of bass: None: select this option if there is no bass speaker; Single: select this option if there is bass speaker. Third step: select the speaker to be set If the bass quantity is "None": you can select to set left/right speaker; If the bass quantity is "Single": in addition to the speaker, you can also set bass speaker; Fourth step: set the selected speaker as follows: Size: set according to speaker size, select large if the cross section area is larger than or equals to 16cm2, or else select small; Tuning: adjust the audio output strength of the speaker in the range -10~10dB. Delay: set the distance between the speaker and the listener by 5cm in the range 0~1000cm.
		Test tone	**More** Size: set according to speaker size, select large if the cross section area is larger than or equals to 16cm2, or else select small; Tuning: adjust the audio output strength of the speaker in the range -10~10dB. Delay: set the distance between the speaker and the listener by 5cm in the range 0~1000cm.
	Post-process	**EQ**	**OFF** **Rock** **Pop** **Live** **Dance** **Classical** **Soft**
System info	**oftware version**	**software version and MAC address**	Confirm after upgrading.

Advanced Playing Operation
1. Using screen control menu
With screen control menu, you can set and select certain playing status.
In the playing state, press [Screen control] key and show the screen control menu on the screen, as shown below.

In screen control menu, press ◄►▲▼ to select an item, and then press [OK] to select and set. The screen control menu contains the following items:
Title [**BD-V DVD-V**]: display current title and total titles. Press the direction key [►] to open title selection bar, select desired title, and press [**OK**] to play from the selected title.

Chapter [**BD-V DVD-V**]: display current chapter and total chapters. Press the direction key [►] to open chapter selection bar, select desired chapter, and press [**OK**] to play from the selected chapter.

File [**VIDEO AUDIO PHOTO**]: display current file and total files in current folder. Press the direction key [►] to open the selection bar, select desired file, and press [**OK**] to play from the selected file.

Time [**BD-V DVD-V CD VIDEO AUDIO**]: display the playing time of current title, chapter, disc, track, and file. Press the direction key [►] to open the time bar, and press [▲] [▼] to switch between playing time and remaining time.

Playing mode [**CD VIDEO AUDIO PHOTO**]: display current playing mode. Press the direction key [►] to open the selection bar, and switch the playing mode among "Normal", "Random" and "Shuffle".

Audio [**BD-V DVD-V**]: display the language and audio signal decoding mode of the audio output.

Press the direction key [►] to open the audio bar, and press [▲] [▼] to switch the audio.

Angle [**BD-V DVD-V**]: display current playing angle. Press the direction key [►] to open the angle bar, and press [▲] [▼] to switch the playing angle.

Caption [**BD-V DVD-V**]: display current caption state. Press the direction key [►] to open the caption bar, and press [▲] [▼] to switch the caption language.

Caption type [**VIDEO**]: only available for video playing; display current caption state. Press the direction key [►] to open the caption bar, and press [▲] [▼] to switch the caption language.

Secondary video [**BD-V**]: display secondary video state. Press the direction key [►] to open the selection bar, and press [▲] [▼] to switch to full screen video output, and show secondary video window simultaneously (PIP).

Secondary audio [**BD-V**]: display secondary audio state. Press the direction key [►] to open the selection bar, and press [▲] [▼] to enable/disable the output of secondary audio.

Bit rate [**BD-V DVD-V CD VIDEO AUDIO**]: display the bit rate of audio and video signal.

Instant search [**BD-V DVD-V CD VIDEO AUDIO**]: go to 30sec after current point and play.

Instant replay [**BD-V DVD-V CD VIDEO AUDIO**]: go to 10sec before current point and play.

Lantern slide [**PHOTO**]: display the switching speed of photo playing. Press [**OK**] to switch among fast, medium and slow.

Switch [**PHOTO**]: display the switching effect of photo playing. Press [**OK**] to switch the effect, including None, slide left, slide up, slide down, slide right, rectangular shrinking, rectangular enlarging, mixing, dissolving, horizontal interleaving, vertical interleaving, horizontal separation, vertical separation, horizontal division and vertical division.

Note
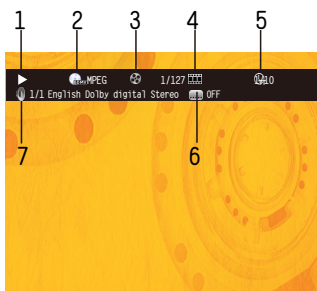In screen control menu, press the [**Screen control**] key to hide the screen control menu.

2. Using OSD menu

In OSD menu, you can check the current playing state. In playing state, press the [**OSD**] key to show the OSD menu on the screen.

When playing BD-V DVD-V disc, the menu is shown below:

Advanced Playing Operation

OSD menu contains the following information:

1)**Playing state**

2)**Disc type**

3)**Title:** display current title and total titles

4)**Chapter**: display current chapter and total chapters in current title

5)**Time**: display the playing time of current title

6)**Caption**: display current caption state

7)**Audio**: display the language and audio signal decoding mode of audio output

When playing CD, the menu is shown below:
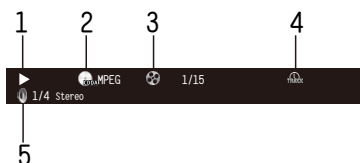
OSD menu contains the following information:

1)**Playing state**

2)**Disc type**

3)**Title**: display current title and total titles

4)**Time**: display the playing time of current title

5)**Audio**: display the language and audio signal decoding mode of audio output

When playing audio and video files, the menu is shown below:

OSD menu contains the following information:

1)**Playing state**

2)**Playing time**: display current playing time

3)**Disc type**

4)**File**: display current file and the total files in current folder

5)**Time**: display the playing time of current track

When playing photo files, the menu is shown below:
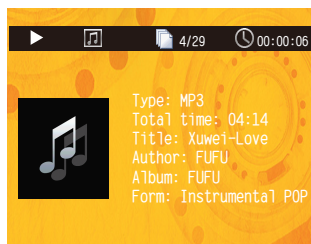

OSD menu contains the following information:

1)**Playing state**

2)**Data file type**

3)**File**: display current file and the total files in current folder

4)**Repeat mode**: display current repeat mode

5)**Lantern slide**: effect and switching speed

Note

In OSD menu, press the [OSD] key to hide the OSD menu.

Note:
With media player, you can play the photos, music and video saved in data discs and USB devices (including HDD).

Depending on the disc type, certain discs can't be played and certain functions may be not compatible.

Selecting and playing data file
1.Insert data disc, or connect to USB device (e.g. USB disk, digital camera, card reader, MP3 player or mobile hard disk) with USB cable.
Note
Before connecting to USB device, please press the power key to set the player to standby, and then press the power key to turn on the player after connected. Before disconnect the USB device, also set the player to standby state first, or else the files in the memory may be damaged. For certain mobile hard disk without independent power supply, maybe the data can't be read.

2.After reading the data disc or USB device (including HDD), the media center menu shows automatically. In stopped mode, press the Media Center key to open the Media Center menu, as shown below.
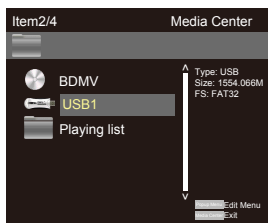
3.Press the direction key [▲] [▼] to select the media of the data files to be played (e.g. data disc or USB disk), and then press OK to enter data type selection, as shown below:
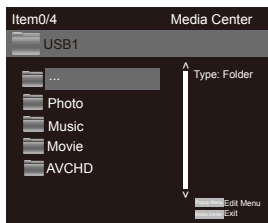
4.Press the direction key to select the type of the data file to be played (e.g. picture, music or movie), and then press OK to select the file directory of selected type, as shown below:
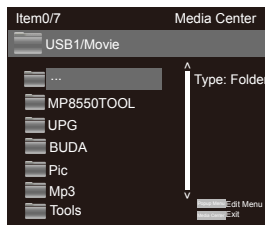
Note
To return to previous menu:
Press direction key ◄
Press direction key▲▼to select Return, and then press [OK] to show the files of the selected type in the menu.
5. Press direction key [▲▼] to select the folder of the data files to be played, and then press OK open the folder; in the folder, press the direction key [▲▼] to select the data files to be played, and press OK to play.
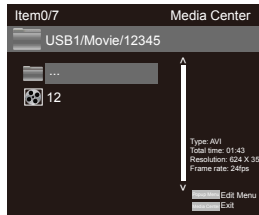
Note
When playing audio files, the OSD menu appears on the screen. If the files are longer than 6 hours, press the [►►I I◄◄] key to turn pages.

Special operation in playing picture files
1.Operations while playing
[Stop]: stop playing and return to media center;
[Pause]: pause playing of lantern slide;
[Play]: start playing lantern slide;
[Next]: go to next picture;
[Previous]: go to previous picture;

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[▲]: pause playing and convert the picture;
[▼]: pause playing and mirror the picture;
[◄]: pause playing and rotate the picture
    counterclockwise;
[►]: pause playing and rotate the picture
    clockwise;

Using playing list
You can favorite files to the playing list, and play
the selected files with the playing list.

1.Editing playing list
Follow the instructions of "Selecting and playing
data files" in previous page to select files, and
press [**Popup Menu**] to pop up a dialog box,
select accordingly and then press [**OK**].
Add to playing list
Select all
Clear all
Cancel
Add to playing list: add the selected files to the
playing list; (selected files are marked with red
check marks)
Select all: select all the files in current folder, and
then add all the files to the playing list;
Clear all: clear all the options in current folder;
Cancel: cancel the operation and close the dialog
box.

Note
The edited playing list will be cleared after the
player is turned off.
When the disc is taken out or the USB disk is
disconnected, the selected files in these media will
also disappear from the playing list.
The maximum file number of picture, music and
movie in the playing list is 100.

2.Playing the list
After the playing list is edited, press the direction
key [◄] to return to the root directory of the media
center, press the direction key [▲▼] to select
"Playing list", and then press OK to open data
type selection menu.
Press the direction key [▲▼] to select data type,
and then press [**OK**] to open the playing list of
selected type.
In the opened playing list, press the direction key

[▲▼] to select data files, and then press [**OK**] to
play all the files in the playing list.
In the playing list, press [Popup Menu] to pop up
a dialog box, select accordingly and press [**OK**].
Clearing from the playing list:
Clear the selected file from the playing list;
Select all: select all the files in current playing list,
and then delete the files from the list;
Clear all: Clear all selected files;
Cancel: cancel the operation and close the dialog
box.

Note
While playing, press the Stop key to stop playing
and return to the playing list. At this moment,
press the direction key [◄] to exit current playing
list.

Troubleshooting A

If there is any failure, please check as below. If you are not sure with the instructions or the problems still can't be solved, please contact your local distributor.
It isn't the problem of the player in the following cases.
There is noise when the disc is rotating;
Image distortion occurs in the process of scanning.

Warning
In any case, it is prohibited to repair the player without authorization, or else the warranty is void. Do not disassemble the shell to avoid electric shock.

Failure	Reason and solution
No power supply	Please make sure that the AC outlet has electricity. Insert the AC power line firmly. Press the Power key on the front panel to turn on the player.
Image is frozen and operation is invalid	Cut off the power supply and connect again, and then press the Power key on the remote control to restart the player.
Auto standby	The default setting of the player: in stopped state, if there is no operation in 5 minutes, the player enables screen saver automatically; if there is no operation in 10 minutes in screen saver, the player enters standby automatically. You can press the Power key on the remote control to restart the player, or select "OFF" in "Main menu – General – System – Screen saver".
Remote control can't work normally	The remote control isn't aimed at the receiver. Please aim the remote control at the receiver on the front panel. There is obstacle between the remote control and the player. Please remove it. Battery is too low. Please replace with new batteries. Please refer to the instruction of "Using remote control".
Can't play discs	Please make sure that the label of the disc is upwards. If the disc is dirty, please clean first. The disc is empty or can't be played. Please check whether the area code of the disc matches the player.
Red key appears on the screen	Selected function or operation is unavailable in current state. The reason may be: 1. Software function limit of certain BD/DVD discs. 2. Certain BD/DVD discs don't support selected function. 3. The selected function is invalid in current mode.
Playing mode is different from the setting	For certain discs, the settings in the menu are invalid. Please operate according to the disc menu.
No HDMI output	Check whether the HDMI connection between the player and external device is loose, and insert properly if yes. Check whether your TV supports 720p/1080i/1080p/1080p24 HDMI output resolution, and adjust the output resolution of the

	player according to the specification of the TV. HDMI always has output, and CVBS only has output at 720P. Therefore, certain user can't watch BD images in CVBS, because the output resolution in the setting menu is too high; please set the resolution in HDMI state to lower than 720P.
TV has no image	Please make sure that the TV has been connected to the player through VIDEO OUT terminal or HDMI terminal. Please make sure that the AV selection of the TV is proper.
Video output resolution is too low	Please reset the resolution in "Main menu – Display – TV", and set according to the video output signal format of different terminals.
Aspect ratio can't be changed	The aspect ratio of certain DV/DVD is fixed. Please refer to the TV manual to adjust the aspect ratio.
No audio	Check whether the audio signal connection between the player and external device is loose, and insert properly if yes. Please make sure that the audio output is set properly in "Main menu – Audio". If a power amplifier is connected, please check whether the input mode of the power amplifier is set properly.
Can't hear desired audio effect	In "Main menu – Audio – Speaker", set the speaker properly according to the connected device.
Can't switch audio	Due to the difference in disc production, certain discs can't switch audio.
Forget the password of parent lock	The default password of parent lock is 0000.
Can't select audio channel and caption	The disc doesn't contain the language. Certain discs can't be changed, and only can be selected in disc menu. The disc doesn't contain caption information, or caption isn't enabled; press the [Caption] key to enable.
Support BD-J discs	Certain keys on the remote control are invalid for certain BD-J discs, e.g. select with numbers, program, repeat, return, zoom in and A-B. These discs contain playing navigation, integrate java, and the program can't process these discs; however, common DVD is valid.
Can't adjust area code	Press [Setup] to enter main menu interface, and press number "8520" to enter area code page. Blu-ray code: adjust the area code of Blu-ray discs, and enter "1", "2" or "3" directly to select A, B or C.

TROUBLESHOOTING

In order to prolong the service life of your player, it is recommended to wait at least 30 seconds before you turn it on again after switching it off.
•Remove disc and turn power off after operation.
•Some functions of the player may not be applicable to certain discs.
•Some discs with special features may not be fully supported by the player. This is not a malfunction of the unit.
•In case of player malfunction, please turn it off, wait for 30 seconds and turn it back on. If the problem still exists, please follow the troubleshooting instructions or contact Laser Technical Support.

Use this chart to resolve general operational problems. If there are any problems that you cannot resolve, please contact Laser technical Support

TROUBLESHOOTING

Symptom	Possible Cause	Solution
Will not turn on	Blu-ray data is still being loaded	Wait for up to 10 seconds for all data to be loaded. The unit will then boot and turn on correctly
No sound	Audio cable is not properly connected	Check audio cable, and then reconnect if necessary.
	Mute is activated	Press the MUTE button to cancel the mute.
	Volume is too low	Press the VOL + button to increase the volume to a preferred level.
	SACD is played and the audio connection is coaxial	This is not supported due to copyright restrictions of SACD. Please use the analogue or HDMI audio output.
	DVD-Audio is played and the audio connection is coaxial.	This is not supported due to copyright restrictions of SACD. Please use the analogue or HDMI audio output. Alternatively, you may switch to the DVD-Video playback mode.
No picture	Video cable is not properly connected	Check video cable; reconnect if necessary.
	TV input is not correctly selected	Select the input to which the player is connected.
	Video output format is not support by the TV	Select a proper output resolution that is supported by your TV.
	Video system is not supported by the TV	Set the correct TV System in the Setup Menu.
Symptom	Possible Cause	Solution
No colour	Video system is not supported by the TV	Set the correct TV System in the Setup Menu.
	Saturation set too low	Check the saturation setting on TV.

No colour	Loose or damaged component video cables	If using component output, check that the three cables are all properly plugged in and not damaged. Make sure the colour of the plugs match the jacks on both ends.
	Incorrect video output port	If using composite video output, check that the cable is not incorrectly plugged into a component video jack.
Incorrect colour	Incorrect colour space setting	If using HDMI for video output, check the colour space setting on the TV and player.
Picture rolling or split picture	Video system is not supported by the TV	Set the correct TV System in the Setup Menu.
"No Disc" or "Unknown Disc" Error	No disc or incompatible disc loaded in player	Eject disc and check. Verify player functionality by inserting a known working disc.
	Dirty disc recording surface	Eject the disc and clean any dirt or fingerprints.
	Disc not properly loaded	Eject disc and make sure the label side is facing up and the record side is facing down.
	Condensation on the Laser pick-up head	Turn on the player, eject the disc and leave the player on for about an hour.
Remote control failure	Remote control is out of range	Use the remote control within the effective range. Point Remote at IR receiver on front Panel.
	Low battery	Replace the batteries.
Temporary function failure	Scratched or damaged disc is used	Replace the disc.
	Some functions are not available during playback	Stop playback completely, then try again.
	Interference from other devices	Identify interference by turning off other devices, and then relocate or replace the offending device.
Some Setup Menu items are greyed out	Some setup options cannot be changed while a disc is playing. Some setup options may be mutually exclusive with other setup options.	Fully stop playback by pressing the stop button twice, eject the disc and try the Setup Menu again.

Technical Specifications

Specifications

Note
The specification is subject to change without prior notice.

Area code
The player supports the following area code.

DVD	Blu-ray	Country/Region
ALL 6	(B)	Australia

Compatible media
BD-Video
DVD-Video, DVD+R/+RW, DVD-R/-RW, DVD+R/-R DL (double-layer)
VCD/SVCD
Audio CD, CD-R-/CD-RW, MP3, JPEG
MKV
USB device

Video
Signal system: PAL/NTSC
Composite video output: 1 Vp-p (75Ω)
HDMI output 480p, 576p, 720p, 1080i, 1080p, 1080p24

Audio
Two channel analog output
Front left/right channel: 2Vrms (>1000Ω)
Digital output: 0.5 Vp-p (75Ω)
Coaxial cable
HDMI output
Sampling frequency:
MP3: 32KHZ, 44.1KHZ, 48KHZ
Fixed bit rate:
MP3: 112kpbs-320kpbs

USB
Compatibility: high speed USB (2.0)
Category support: USB mass storage
File system: FAT16, FAT32, NTFS
Support HDD (portable hard disk): may require external power supply.

Master device
Rated power: AC 110V-240V, 50Hz-60Hz
Power consumption: 15W
Power consumption in standby (fast wake-up is disabled): <0.5W
Size (W*H*T): 360x201x40mm
Net weight: 1.3kg

Accessories
Remote control and battery
AV cable
User's Manual
Warranty Card

Technical Specifications

Basic Function

Model Function	BLU-BD2000
DOLBY	v
DTS HD	v
WMA	
WMV	
AAC	
RMVB	v
AVCHD	
DivX	
BD original Disc	v
MP3 Lyrics display	

Those who marked with "V", are the basic functions of this model supports.

CONTACT INFORMATION

For more information on this product and technical support please visit
HTTP://WWW.LASERCO.NET

FOR OTHER ACCESSORIES AND PRODUCTS

http://www.laserco.net

Warranty Against Defects

Laser Corporation Pty Ltd ("Laser") warrants your new product to be free from defects in materials and workmanship for 36 months, from the date of purchase, provided that the product is used in accordance with accompanying recommendations or instructions where provided. The benefit of this warranty is in addition to your rights under the Australian Consumer Law and to other rights and remedies of the consumer under a law in relation to the goods or services to which the warranty relates.

Through a network of retailers and resellers, Laser will provide you with your choice of a refund, repair or exchange (where possible) for this product if it becomes defective within the warranty period. This warranty will no longer apply where the defect is a result of alteration, accident, misuse, abuse, normal wear and tear, neglect or improper storage.

Please retain your receipt as proof of purchase

How to make a product warranty claim:

Step 1:   Find your receipt which proves the date of purchase. Where the date of purchase cannot be verified, your place of purchase or Laser will make an assessment based on the date of manufacture, the condition of the Laser Product and the type of defect.

Step 2a):   Contact your place of purchase. They will assess the nature of the fault and refund or replace the product as per their store refund or warranty policy.

Step 2b):   If your place of purchase cannot be contacted, then you can contact Laser . Customer Service with details of your defective Laser Product: Phone: (02) 9870 3355; or Email: service@laserco.com.au or online www.laserco.net/support/warranty (click on "Consumers (End Users)"). Our business address is at 1/6-8 Byfield Street, North Ryde, NSW 2113

Step 3:   Laser . will issue you with a Return Authorisation (RA) number within 48 hours. When requested, send us the defective Product and a copy of your receipt. Laser will cover the cost of the return delivery.

Step 4:   Wait for us to contact you. Once we have received your defective Laser Product for inspection, we will inform you of our assessment of your claim within 7 days. When we contact you, we will firstly let you know whether you have a valid claim under this Warranty, and if so, we will inform you whether your defective Laser Product will be replaced or repaired, together with the number of days you can expect to wait to receive your replaced or repaired Laser Product.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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